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(54) THERMOPLASTIC ELASTOMER RESIN PARTICLE FOR POWDER MOLDING

(57)Abstract:

PROBLEM TO BE SOLVED: To solve the problem with flowability of a thermoplastic elastomer in powder molding and provide an easily recyclable powder molding product of a thermoplastic elastomer resin excellent in resistances to oil and abrasion.

SOLUTION: The objective particles are obtained by dynamically crosslinking a composition comprising (A) 100 pts.wt. component comprising a block copolymer comprising at least two polymer blocks formed mainly from an aromatic vinyl compound and at least one polymer block formed mainly from a conjugated diene compound and/or a hydrogenated block copolymer obtained by hydrogenating the block copolymer, (B) 20-300 pts.wt. nonaromatic rubber softener, and (C) 10-150 pts.wt. component comprising a peroxide-decomposable olefin resin and/or a copolymer containing a peroxide-decomposable olefin resin. The particles have a length of 400 μ m or lower and a ratio of length to breadth of (3:1)-(1:1).

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